

## SEQUENCE LISTING

<110> Jifan Hu, GMR Epigenetics Corporation;  
Andrew R. Hoffman, Stanford University

<120> Gene Inactivation by Targeted DNA Methylation

<130> 10853-005-999

<140> US09/643,128

<141> 2000-08-21

<150> US60/96,749

<151> 2000-04-12

<160> 56

<170> PatentIn For Windows v. 3

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dinucleotide sequence

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<301> Xiaoming Yao, Ji-Fan Hu, Mark Daniels, Hadas Shiran, Xiangjun  
Zhou, Huifan Yan,  
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<210> 9

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<210> 12  
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<210> 13

<211> 18

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<213> Artificial sequence, UPAR

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<221> m5C

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dinucleotide sequence

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<210> 14

<211> 19

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<210> 17

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<213> Artificial sequence, VEGFR

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<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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dinucleotide sequence

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gm5ctgggggaaagggtataaatm5cgc

<210> 18

<211> 18

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<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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dinucleotide sequence

<400> 18

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<210> 19  
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<210> 20  
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 <400> 20  
 cm5ctgcam5ctgagtcmm5cgg

<210> 21  
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 <400> 22  
 cactgtggggm5cgggm5cgga

<210> 23  
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 <400> 23  
 tgm5cgtcccacccacm5cgm5cg

<210> 24  
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cm5cgcagacm5cggtcctttaa

<210> 25  
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 dinucleotide sequence

<400> 25  
 cm5ctgggm5cggtccm5cgggca

<210> 26  
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 ctc m5cgtm5cagtttcctm5cggc

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<400> 27

atm5cagm5ctgactm5cgcm5ctgg

<210> 28

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<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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<400> 28

cagm5cggggaggatm5cgm5cgga

<210> 29

<211> 20

<212> DNA

<213> Artificial sequence, VEGF

<220> Hairpin

<221> m5C

<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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taaaagtm5cggm5ctggtagm5cgg

<210> 30

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<213> Artificial sequence, IGF1

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<221> m5C

<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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tm5ctgtgctctagttttaa

<210> 31

<211> 18

<212> DNA

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cm5cagm5ctgttttcm5ctgtct

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<400> 32

gm5ctgcttgaggaagtataag

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<211> 20

<212> DNA

<213> Artificial sequence, HEr2

<220> Hairpin

<221> m5C

<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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<400> 33

agaatgaagttgtgaagm5ctg

<210> 34

<211> 18

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<220> Hairpin

<221> m5C

<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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<400> 34

tgcm5cggttcctctataaag

<210> 35

<211> 18

<212> DNA

<213> Artificial sequence, TNF-alpha

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<221> m5C

<223> Phosphothioate oligonucleotide modified with 5-methylcytidine  
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dinucleotide sequence

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agggacm5ctgagm5cgtdcm5cgg

<210> 36

<211> 21

<212> DNA

<213> Artificial sequence, TNF-beta

<220> Hairpin

<221> m5C

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<400> 36

tm5cgcccm5cagggacatataaag

<210> 37

<211> 18

<212> DNA

<213> Artificial sequence, TNF-beta

<220> Hairpin

<221> m5C

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<211> 18

<212> DNA

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accm5cagccagm5cagam5cgct

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tm5cggtttm5cagcaatttga

<210> 40

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<400> 40

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<210> 42

<211> 19

<212> DNA

<213> Artificial sequence, GM-CSF

<220> Hairpin

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<210> 44  
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<210> 46  
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<210> 47  
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dinucleotide sequence

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<210> 48  
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<210> 49  
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dinucleotide sequence

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<210> 51  
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